

FIG.1

In wheel rim 1, determine RRO value Wr_1 of RRO primary component, phase θ_{r1} of peak position thereof, unbalance level W_{ub} of heavy point, phase θ_{ub} thereof and radial distance L of balance weight mounting position from axis center i of wheel rim and, in tire, determine weight T_t thereof and phase α_t of light point.



S1

Determine phase θ_c of correction unbalance W_c from the following formula (1):

$$\theta_c = \tan^{-1} \left[\frac{[W_{ub} \times \sin \theta_{ub} + \{(Wr_1 \times T_t)/(2 \times L)\} \times \sin \theta_{r1}]}{[W_{ub} \times \cos \theta_{ub} + \{(Wr_1 \times T_t)/(2 \times L)\} \times \cos \theta_{r1}]} \right] \dots (1)$$



S2

Assemble tire and wheel in state of aligning phase θ_c of correction unbalance W_c with phase α_t of light point of tire.

S3

FIG.2

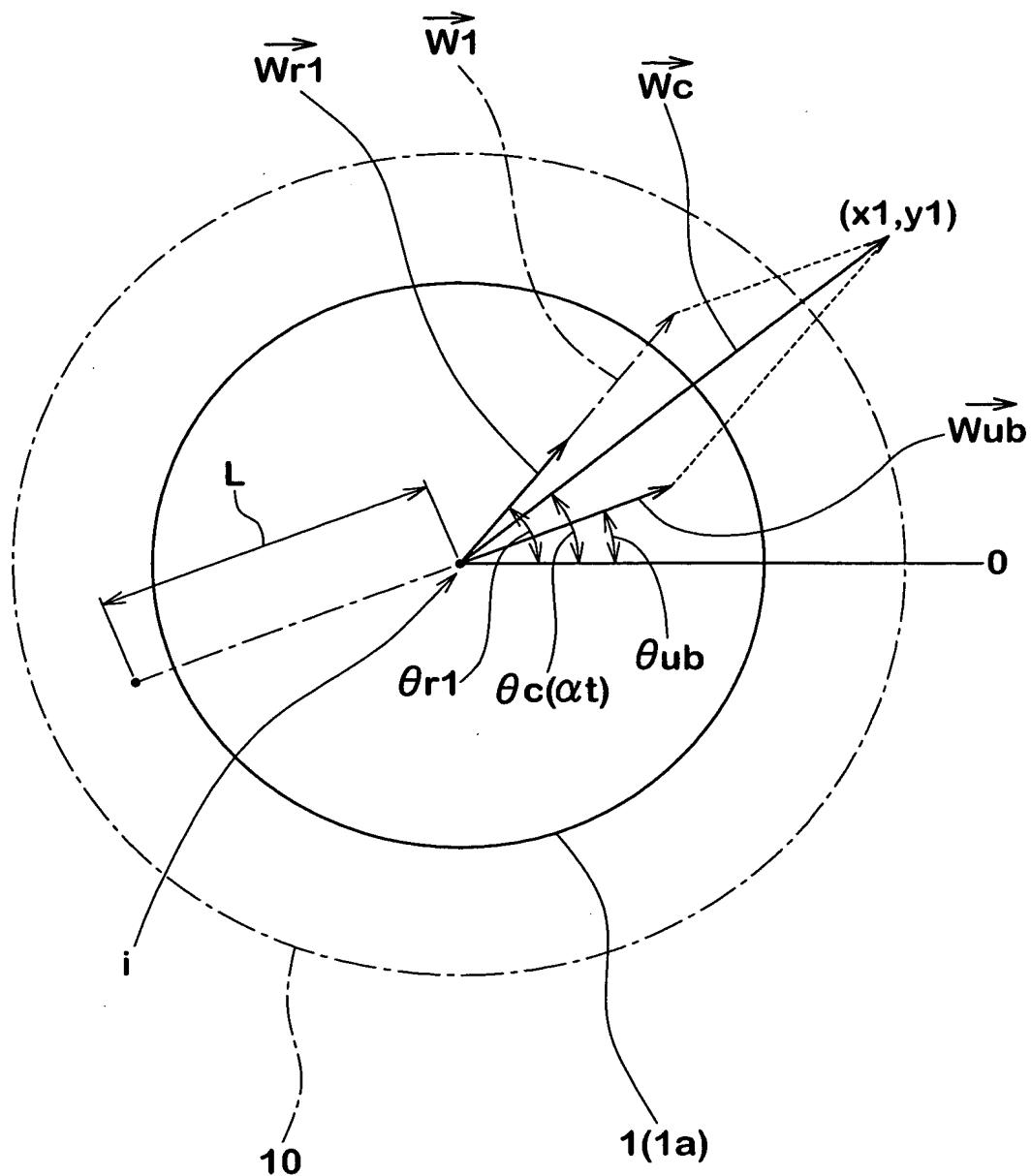


FIG.3

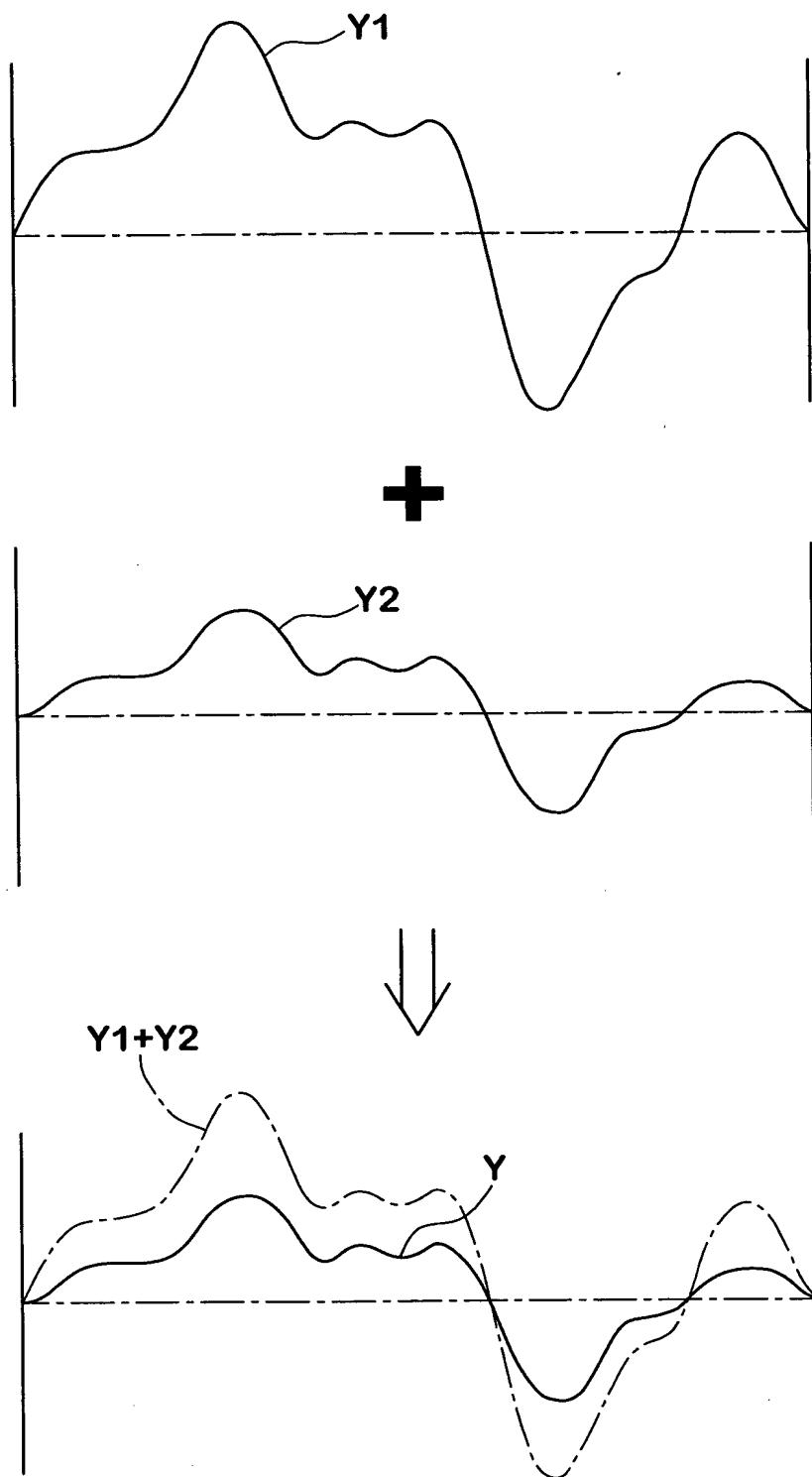


FIG.4

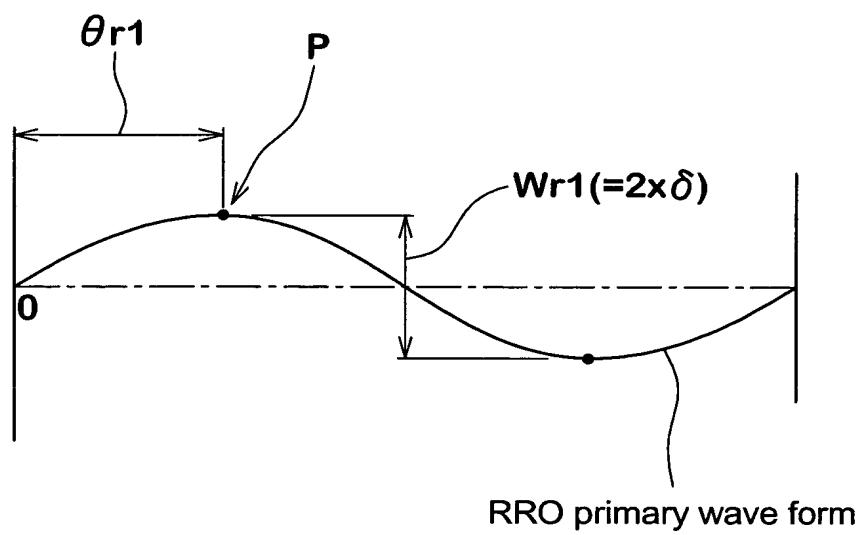


FIG.5(A)

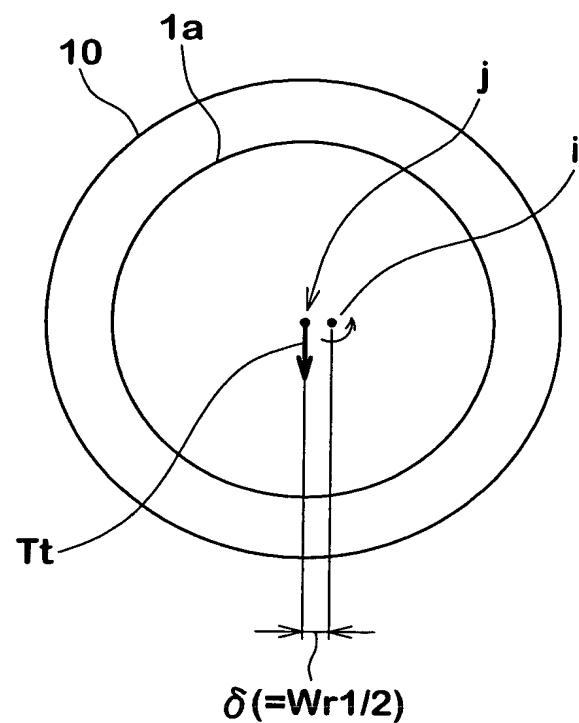


FIG.5(B)

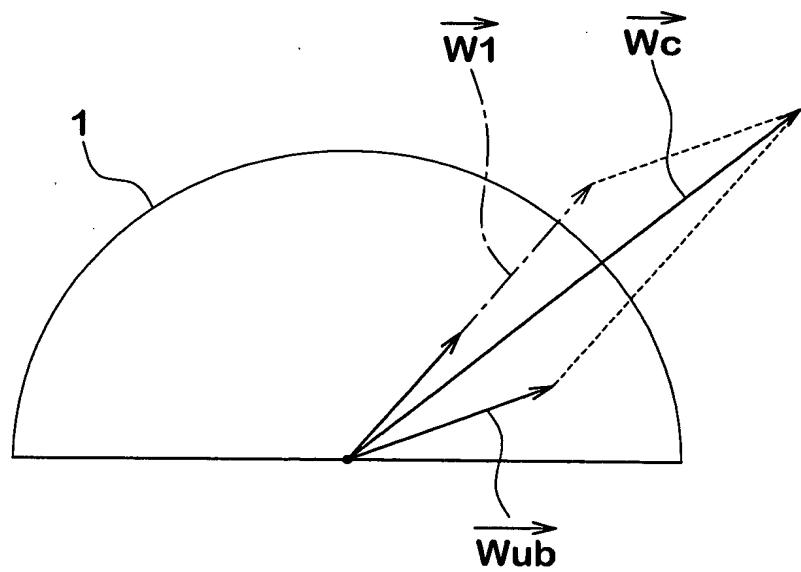


FIG.6(A)

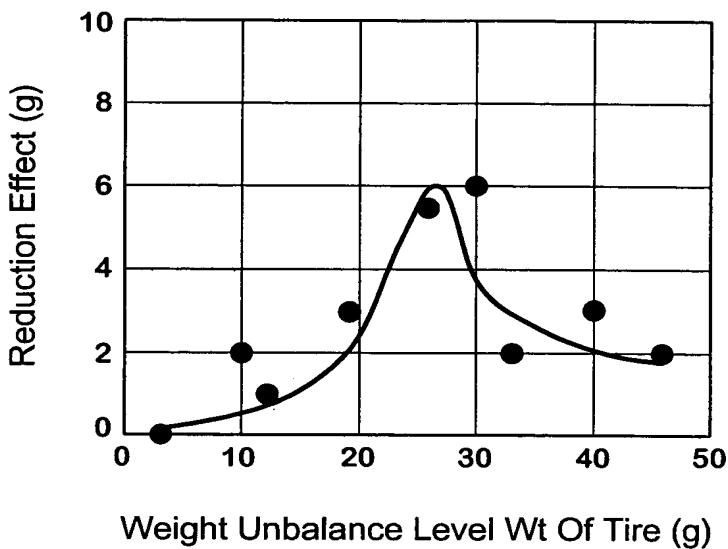


FIG.6(B)

